



The Raleigh Amateur Radio Society's **EXCITER**

GET INVOLVED

- RARS General Membership meeting: Second Tuesday of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 PM on 146.64.
- RARS meets for a monthly dinner on the First Tuesday of each month.



PUBLIC SERVICE EVENTS

Interested in helping? Visit
<http://www.rars.org/public-service.php>

frequently for our 2016
ham public service
schedule.

RARS General Meeting

Topic: Awards, RARS Birthday Party (2/12/69) &
RARSfest Update by Ian Hewitt, N0IAN

Date: March 8, 2016

Time: Meeting at 7:30 p.m.

Informal gathering and refreshments from 7 - 7:30 p.m.

Where: Ridge Road Baptist Church. 2011 Ridge Rd., Raleigh

New HAM / Elmer meeting, 6:00 p.m. before member meeting

Tadd Torborg, KA2DEW, Elmer Coordinator

[Click here for more information.](#)

President's Message

Hang on folks, spring is coming on March 20th. We have experienced our second significant weather event of 2016. I hope all the antenna farms stood up to the winds.

We're a couple of months past Christmas so it's time to start making a new list. I'm talking about the list for RARSfest. RARS' annual Hamfest is coming on April 2nd at the Jim Graham Building. This is a great opportunity for new hams to pick up

[Continued on page 3](#)

RARS Officers

PRESIDENT

Dennis Keith
NC4DK
919-803-7973
NC4DK@yahoo.net

VICE PRESIDENT

Tom Lewis
N4TL
N4TL2@yahoo.com

SECRETARY

Bob Chapman
NC1X
919.782.5778
NC1X@nc.rr.com

TREASURER

Greg Seamster
KE4PAX
919.859.0029
KE4PAX@arrl.net



The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are \$18 per year (from July 1 through June 30). Additional immediate family members pay \$5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are \$12 per year. Dues for non-licensed associate members are \$9 per year. Applications for membership may be obtained from the treasurer or on the RARS website (www.rars.org).

Exciter

The Exciter is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The Exciter welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's Exciter is the third Friday of the preceding month. All submissions must be final. Drafts are not accepted.

The views expressed in the Exciter are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Tom Lewis, N4TL, editor (editor@rars.org)

For Your Information

RARS General Meeting

Date: **Second** Tuesday of each month

Location: Ridge Road Baptist Church 2011
Ridge Road Raleigh, NC, 27607

Time: People begin arriving at 7 p.m. The meeting officially begins at 7:30 p.m.

RARS Monthly Dinner

All members and guests are welcome to the monthly (first Tuesday) RARS Supper, 6:30PM, at the Golden Corral Restaurant, 6129 Glenwood Ave., Raleigh. Informal and Dutch, just bring your appetite and best rag to chew. 73, Chuck, K4HF

RARS Repeaters in Raleigh

146.640 and 444.525

Join us for the nightly RARS net at 8 p.m. on the 146.640 repeater. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS members to the net.

There is a net Listing on the RARS website click here. <http://www.rars.org/nets.php>

VE Testing

The RARS VEs will accept walk-in testing in February, May, August and November at 5:30PM, prior to RARS membership meetings at Ridge Road Baptist Church; the RARSfest in April; the Cary Swapfest in July; the JARS-Fest in November; and following RARS license classes. Please bring a photo ID, your original and a copy of your current license, your \$14 exam fee, and any valid CSCEs that prove passing elements beyond that of your current license. Visit www.rars.org for more information.

President's Message continued

a new handheld, mobile rig, or maybe even some HF gear. And don't forget the station accessories and other items. Maybe a callsign name tag or hat, a UTC clock for the shack, or many of the other items offered in the vendor area as well as the flea market section. There will be lots of "QUE", as my friend, the other Dennis, likes to call the "junque" on the tables. Remember, one man's junque is another man's treasure. For the budget-minded, here's a good chance to clean out the shack and find a new home for those items you've been meaning to use for a few years. That should free up some funds to convert into items on your RARSfest list. And, by the way, don't forget to sign up for a shift or two at one of the many volunteer stations available. This is a great chance to give something back to your club. It takes a lot of boots on the ground to pull off an event like RARSfest. Hats off to RARSfest Chairman Ian, N0IAN, and those members on the Hamfest committee. They have logged many hours in the planning stages and have many more to go at show time.

As this issue goes to press (or to cyberspace) the NC QSO Party will be in the books. Hopefully many of you were able

[Continued on page 4](#)

[Continued from page 3](#)

to log some contacts and submit logs to the committee.

Again, thanks to all of you for all you do to make the Raleigh Amateur Radio Society the best Ham Radio club in North Carolina.

73,
Dennis, NC4DK

New RARS Members

Karen Alexander	KA9UJH
Chris Carpenter	KM4RJQ
Preston Miller	KM4RJR
Allie Breedlove	KM4RMS
Stephen Breedlove	KM4RMT
John Cook	KM4RMV
Mark Richards	KM4IQV
Nancy Butterfield	KM4KUT
Stephen Jones	KM4RMN
Tom Bates	KM4RMR
Jake Wheeler	KM4RMQ
Kushal Patel	KM4RND
Kathryn Vollert	KM4RNE
Emily Wheeler	KM4RNF
Cheryl Breuning	WA1WEY
David Daniels	WB8QYV

RARS March Birthdays

Carl	KJ4WD	03/01
Jesse	AF4JB	03/01
Tim	KD4MBC	03/01
Barbara	KK4TLY	03/02
Marty	W4MY	03/02
Stephen	KM4KRX	03/03
Robert	KI4MMT	03/05
Noble	N4UOQ	03/06
Karl	W4CHX	03/06
Sammy	KM4PXV	03/07
Adrian	KM4CSH	03/07
Rich	KR4AS	03/08
Kushal	KM4RND	03/09
Jim	WA5APR	03/10
Steven Court	NA	03/11
Bob	WA4ZZN	03/12
David	KF4VXJ	03/12
Pam	KK4IPN	03/13
Ryan	W7KJC	03/14
Tom	KJ4ULP	03/14
Roger	K4KLLK	03/17
Larry	K4LXV	03/17
Eddie	WK4I	03/18
Fred	KJ4RGB	03/19
Murray	K4MHM	03/20
Tom	KK4UHH	03/21
Greg	KE4PAX	03/23
Edward	WQ2X	03/25
Bill	K4HVVH	03/27

February 9 ,2016 RARS meeting



John Snellen, RARS Public Service Director, AI4RT, Tim VonStetten and Paula Lipford of the National Multiple Sclerosis Society. Tim and Paul presented A Volunteer Service Award to the members of RARS. Paula commented on how valuable hams volunteering for public service are to their fundraising events.



Johnston County ARES

The Johnston County Amateur Radio Emergency Service, ARES, is looking for licensed amateur radio operators that are interested in providing auxiliary communications in times of disaster. You do not have to be a resident of Johnston County to join. We utilize leading edge technology to communicate in Johnston County in conjunction with the county Emergency Management Services Department. We are not a club, but a working group of volunteers. Johnston County ARES meets on the second Monday of each month at 7:00 PM at the American Red Cross office located at 805-A South Third Street in Smithfield. More information on Johnston County ARES can be found at <http://www.johnstoncountyares.com>. If you are interested in joining, or require more information about ARES or amateur radio in general, please contact Michael Callam, KD4MC, Johnston County ARES Emergency Coordinator, at mcallam@centurylink.net or (919) 934-9623.



Education

The Technician Class course finished with 37 students and the General Class course started Feb 27 with about 12 students. The next course is the Amateur Extra Class starting Apr 16 and will have 7 sessions over a 9 week period. This course will be held again in the last few months of 2017. For more information or questions contact: education@rars.org.

73 Murray, K4MHM

Scouts

Jamboree On The Air (JOTA) is scheduled for Oct 15, 2016. An educational session for scouting Subject Matter Experts (SME) is being planned. Three merit badges: Electrical, Electronics, Radio plus Morse Code will be discussed. Youth Protection Training is required of SMEs. It is about a 45 minute online presentation with a common sense test. There are no other background checks. Scouts will be involved in the Youth Operated Station at RARSfest.

73 Murray, K4MHM





Students in the General License Class Course,
picture from Murray K4MHM

Deepest Sympathies

Jack Ritter, W0UCE of Youngsville passed away suddenly February 20. Jack was a past president of RARS several years ago. He was an active member of the Potomac Valley Radio Club (Contesting club) Our sympathies go to his family and friends.

RARS February 9th meeting

Karl Bowman, W4CHX gave a presentation entitled “RARS Repeater Update” . Here are some pictures of the Bayleaf repeater site that Karl took.



East Wall of the repeater radio shack



Interior view of the
Bayleaf repeater building
(444.525 tall rack)



North Wall



South Wall and Entrance

RARSfest Approaches

Friends,

[RARSfest](#) will soon be here (April 2) and your club needs a bunch of volunteers to help make RARSfest a success. In particular we need ticket sellers and security volunteers. RARSfest profits help our club do things like support repeaters and have field day. The main source of these profits is tickets sold to the public. The main reason the public comes is to see what vendors have to sell and maybe buy some stuff. Ticket volunteers collect the money. Security volunteers direct the traffic and watch over the vendors' wares. Just the presence of security volunteers suppresses theft, and theft keeps vendors from coming back. No vendors; no RARSfest.

Please volunteer for a two-hour shift with tickets or security. You don't really sell tickets; you collect money. Everyone in the ticket line wants to be there and give you the money. You sell tickets while seated. If you prefer walking/standing, volunteer for security. And you get to wear the attractive vests. Security volunteers can get a lot of pre-shopping done while doing their job.

I know some of you have duties at RARSfest; you are excused. But others who are able should give volunteering a try - you might really enjoy it!

You can volunteer on the RARS website www.rars.org/rarsfest/helpwanted.html. Or contact me, NC1X, nc1x@nc.rr.com or 870-6385, or see me at the club meeting on March 8. Of course there are other things you can volunteer for...they are at the aforementioned RARS link.

We also need some volunteers on Friday afternoon/evening, particularly in the 8-10 pm slot. Friday is a great time to check out the vendors' wares as they bring them in to the hall.

Thanks for your attention.

Bob, NC1X
RARSfest admissions team leader.

Amateur Extra Class License Course

Raleigh Amateur Radio Society

Original Announcement Date: February 29, 2016

This seven session course will be conducted by the Raleigh Amateur Radio Society. In order to be awarded an Amateur Extra Class (Level 3) license by the FCC, one must pass the Technician Class (Level 1) exam and the General Class (Level 2) exam in addition to the Amateur Extra Class exam.

When: Apr 16, 23, 30, May 14, 21, Jun 4, 11. (**Note:** These are not consecutive Saturdays.) The sessions will begin at 8:00 a.m. and end around 12:30 p.m. Please note that **this course will not be offered again until fall of 2017.**

Where: Raleigh, NC. Specific location will be provided upon pre-registration.

Volunteer Instructor: Mike Murphy, WA4BPJ, has an Extra Class license and has been teaching since the 1970s and has conducted as many as 60 courses. In addition to this course, he also teaches the Technician and General courses.

Tuition: \$10.00 (payable at the first session)

Course Text: The required manual is the current edition of: **The ARRL Ham Radio License Manual – Level 3, Extra Class License Manual, 10th Edition (ISBN: 978-0-87259-517-0)** and is available online (i.e. ARRL, Amazon, etc.). (This Question Pool and Manual expire 2016-06-30.)

Examination: An **optional** examination is scheduled for the afternoon of the last session for the convenience of the students. This is done by a separate group of RARS Volunteer Examiners and there is a separate fee.

Pre-Registration: E-mail me **your phone number and call sign**. A registration form and other details will be e-mailed to you.

This course is also listed on the ARRL Website at: “Find a Class.”

Next Course: **Technician Class** course starting Aug 6 and **General Class** course starting Oct 1.

Murray Merner, K4MHM

RARS Education Director

k4mhm@arrl.net (preferred)

919-803-7973

February 23, 2016

Pictures taken during
the NC QSO Party at
Joe and Liz White's
home as N4RAL



Thanks to Murray,
K4MHM for sending
these pictures to the
Exciter editor.



If you operated in the NCQSO Party,
Don't forget to upload your log at:

[http://www.rars.org/ncqsoparty/
index.php?id=logs](http://www.rars.org/ncqsoparty/index.php?id=logs)

New HAM / Elmer meeting, 6:00 p.m.

The February new hams meeting was attended by,

Craig KM4QID, Nathan KM4DVE, Karen KA9UJH, Ken KI4OTO, Mike KB7NLA, Alan AB4OZ, Ryan KM4KRV, Keith KM4MBO, Kathleen KM4CSF (Keith's Mom), Rob KM4MLY, Carl W8WZ, Billy KE4VNC and Fin NC4FG.

Billy, KE4VNC, did a presentation of satellite antennas for use in working the FM satellites using a dual band HT.

Next month we'll build a few 2m antennas from scratch and test them using SWR meters.

73 Tadd / KA2DEW



Billy, KE4VNC, showing off dual band 2m/70cm yagi antenna
used with a dual band HT for working FM satellites

There is more new hams meeting information on the [next page](#).

*New HAM / Elmer meeting, 6:00 p.m.
before the member meeting*

Tadd Torborg, KA2DEW, Elmer Coordinator

The New Hams meeting is held every month before the regular RARs meeting. We'll try to start by 6pm. We try to address topics in a manner that will be of help to hams in their first year of operation.

*Tadd / KA2DEW
tadd@mac.com*

All Seasoned Hams

The Quarterly Century Wireless Association Piedmont NC Chapter 126 will hold its first quarter luncheon meeting March 19 at 10:30am at McCall's BBQ and Seafood Restaurant, Clayton, NC . The phone number is 919-550-3877. <http://www.mccallsbbq.com/> Further details and a link to map directions are there. All MEMBERS and GUESTS are welcome. Wearing a Ham badge is encouraged. Our Program will be the Video of the K1N Navassa Island 2015 DXpedition. More info on QCWA is available at: <http://www.qcwa.org/> and for our local Piedmont Chapter: <http://www.qsl.net/qcwa126/> Local Raleigh contacts are Chuck, K4HF, Tom, N4TL, Charlie, WB4DCM, Charlie, WA4OSS and other RARS Members.
73 Chuck, K4HF

Future RARS 2016 Meeting Topics

April 12, 2016, Rob Katz, K4OV

Operating in the Bahamas (C6A)

for the ARRL DX SSB Contest in 2015.

Minutes

Raleigh Amateur Radio Society Board of Directors Meeting January 19, 2016

Present: Board Members: Dennis NC4DK and 6 others.

1. Call to order (Dennis NC4DK) The meeting was called to order at 7:05 p.m.
2. A quorum was present
3. There were no changes to the agenda
4. Approval of minutes (Dennis NC4DK): The minutes of the November 17th meeting were approved. (There was no December meeting.)
5. Vice President's report (Tom N4TL): Ian N0IAN will make a presentation on RARSfest at the March membership meeting. Dennis NC4DK will present on Field Day in June. The results of the presentation topics survey, which was executed at the January membership meeting, are in. County hunting and remote airplane control do not appear popular but all the other topics have generated interest. We are all set for presentations for the rest of the year.
6. Treasurer's report (Greg KE4PAX): Greg reports that we have 384 members. The number of complimentary memberships and their renewal/participation rates were discussed. If anyone has questions regarding details please contact Greg KE4PAX directly.
7. Secretary's report (Bob NC1X): No report
8. Director reports:
 - A. Public Service Director – John – 21 event on track, 15 confirmed.
 - B. Education Director – Murray – Technician Class has been split into two groups due to number of students
 - C. Public Information Officer – Charles – No Report
 - D. Immediate Past President – Murray – No Report
 - E. Director-At-Large – Bill – No Report
 - F. Director-At-Large – Raymond – No Report
 - G. Director-At-Large – Marty – No Report
9. Other Reports
 - A. Scouting Coordinator – Charles – No Report
 - B. FM Repeater – Karl – No Report
 - C. Exciter Chair – Tom – Due date for February Exciter is January 30th.

- D. Food Service Chair – Joanne – All is well in the food service industry
- E. ARRL Liaison – Chuck – No Report
- F. ARRL NC Section Manager – Karl – No Report
- G. Webmaster – Hank – No Report
- H. RARSfest Chair – Ian – See Attachment
- I. Field Day Chair – Dennis – Field Day will be on June 25th & 26th. Informal discussion has been held on moving to a location closer to the city and more in the public eye.
- J. NC QSO Party Chair – Marty – Event will be held on February 28th from 1000 – 2000 EST. SC QSO Party will be on February 27th.
- K. W4DW/W4RNC Trustee – Jeff – No Report
- L. Net Manager – Mary – No Report

10. Old Business

- A. Club Shirts – Joanne/Murray – Image of new logo received from printer
- B. Member Survey – Raymond/Charles – In progress

11. New Business

- A. Awards Committee – Chuck, Raymond appointed
- B. Club-owned Equipment – A member inquired about the club purchasing an antenna analyzer to be available to members. After discussion it was decided that the club did not want to be in the business of owning equipment. Numerous members have analyzers and other equipment and in the past have been willing to assist other members.
- C. Ham University – A member provided a flyer in reference to a “Ham Radio University” held by Long Island area clubs in which multiple people gave presentations on a wide variety of ham-related topics in an all-day event. Discussion was held about having a smaller-scaled event in conjunction with RARSfest but no decision was made.

12. Additional business/comments/announcements: None

13. Next meeting date: February 16th, 2016 @7:00 pm

14. Adjournment: 9:05 pm

RARS ARRL Special Service Club 2005



MINUTES

Raleigh Amateur Radio Society General Membership Meeting February 9, 2016

Call to Order: Dennis NC4DK called the meeting to order at 7:30 PM. There were 52 members in attendance, which constituted a quorum.

Introduction of Guests: Dennis introduced guests David KF4WGS, Nancy KM4KUT, Cheryl WA1WEY, Craig KM4QID, Rob KF4KET, and new members Kathleen Abbey KM4KUC and Chris Carpenter (call pending)..

Approval of minutes. The minutes of the general membership meeting of January 12, 2016, were approved as presented.

Secretary's Report (Bob NC1X): No report

Treasurer's Report (Greg KE4PAX): [via internet] We currently have 387 members of all types.

Reports and Announcements from RARS board members and others:

- a. Vice Pres: Tom N4TL noted that next month's meeting (March 8, 2016) will be the RARS Birthday Party.
- b. New member Kathleen KM4KUC announced that she has a radio club at the school where she teaches, and they are on air most Tuesdays at 2pm.
- c. The RARS dinner will be Tuesday March 1 at 6:30 p.m. at the Golden Corral on Glenwood Ave.

Continued on the next page

Continued from the previous page

- d. The RARS Board meeting will be Tuesday March 16 at 7:00 p.m. at Ridge Road Baptist.
- e. The after-meeting Gathering will be at Applebee's at Hillsboro and Gorman Streets.

Drawing: The following won the drawing: Dick KD4ISC, and Mike KB7NLA.

Program: Tom N4TL introduced Karl W4CHX who gave a presentation entitled "RARS Repeater Update" on the RARS repeater activities. Photos showed the three repeater locations: the Highway Patrol Tower, RTP, and Bayleaf, with a number of photos of the mostly complete work at Bayleaf which included rebuilding the repeater shack. The RTP 145.13 repeater will be cross linked to the 146.64 repeater soon. Karl recommended that repeater maintenance become a regular budget item and receive regular attention from the repeater committee. Karl also reviewed ARRL activities and its value to radio amateurs. Value of membership: spectrum defense, legislative support, publications, VEC program, email forwarding, awards, contests and Logbook of the World (LOTW). In the ARRL North Carolina section there are 19900 hams of which 45% are technicians. Only 23% are ARRL members which still puts the state 8th in the ARRL membership.

Board & Committee Reports:

Public Service: John AI4RT announced that Public Service season is here and events are published on the RARS website. John introduced guests Paula Lipford and Tim von Stettan from the MS Society who commented on the improvements in available MS treatments and announced upcoming MS rides. They presented the Club with an appreciation plaque.

Field Day: Dennis NC4DK announced that Field Day will be the last weekend in June. Last year RARS finished 1st in our class, 18th nationally. Weather was a problem. More information about Field Day will be forthcoming.

Continued from the previous page

FM repeater: no report after Karl's presentation

RARSfest: Ian, N0IAN, reminded the club that he needs volunteers for most activities.

NCQSO Party: Charles WB4DCM announced it will start Sunday Feb 28 at 1000EST. Joanne AK4RJ said the club station will be at Joe & Liz White's. Some Boy scouts will be there. Technicians who attend can work HF at the club Station. The South Carolina QSOP will be the previous day. There will be participation awards for logs from both SC & NC.

Security: Alan AB4OZ reminded members not to announce absences on the air.

Education: Murray K4MHM announced the General Class class starts Feb 27. The Extra Class class will start in August.

Adjournment: Dennis NC4DK adjourned the meeting at 9:08 PM.

Respectfully submitted,

Robert E. Chapman, NC1X
RARS Secretary



Thank You to RARS for Walk America 1993

Current Public Service Opportunities

To volunteer for a Public Service event please sign up at this location <http://www.rars.org/public-service.php>

The Ham Public Service Net The HPS Net is on vacation, we will resume when the 2016 PS season begins. We will use the following repeaters in the Carolina 440 Link System:

441.725(+)(100) – Raleigh, NC Hub
443.450 (+)(100) – Cane Mt., Snow Camp, NC
444.325 (+)(100) – Holly Springs, NC
444.375 (+)(100) - Henderson, NC
444.550 (+)(100) – Coats, NC
444.775 (+)(100 – Cary, NC
444.875 (+)(100) – Wendell, NC
145.330 (-)(100) – Goldsboro, NC
442.250 (+)(107.2) - McCain/Southern Pines, NC
444.200 (+)(179.9) - Johnsonville, NC
444.025 (+)(100) - Benson, NC
442.425 (+)(100) - Buxton, NC

(The net is also accessible through IRLP Reflector 9210)

The Ham Public Service Yahoo Group link is: [Ham Public Service North Carolina](#)

WELCOME TO THE 2016 HAM PUBLIC SERVICE EVENT SIGNUP PAGE. Choose the event(s) for which you would like to volunteer and complete the sign-up form at the top of the page... note... one form for *EACH event* that you are volunteering. We are glad you are back. Sign up at this location <http://www.rars.org/public-service.php>

2016 ODYSSEY OF THE MIND

March 5, 2016 - Saturday - Raleigh, NC

Address: Wake Tech College, 9101 Fayetteville Rd., Raleigh, NC 27603

- * Ham Coordinator: Brian Young (ka9qjt)
- * Ham Operators Meeting: 7:00 AM
- * This is a simplex handi talki event
- * Event Website: [2016 OOTM](#)

2016 RARSfest

April 2, 2016 - Saturday - Raleigh, NC

2016 SPRING FLING(Same day as RARSfest)

April 2, 2016 - Saturday - Raleigh, NC

Proceeds benefit the MS Society

* Start/Finish: Preston Walk Shopping Center, 2002 Grisdale Ln., Cary, NC 27513

* Ham Coordinator: John Snellen (ai4rt)

* Website: [2016 Spring Fling](#)

2016 WALK MS

April 23, 2016 - Saturday - Raleigh, NC

This is a walking event, one or three miles around PNC Arena. Sponsored by the MS Society.

* Address: PNC Arena, 1400 Edwards Mill Rd., Raleigh, NC 27607

* Ham Coordinator: John Snellen (ai4rt)

* Website: [Walk MS](#)

2016 RAVEN ROCK RAMBLE

May 1, 2016 - Sunday - New Hill, NC

The Raven Rock Ramble is a century (100-mile) bicycle ride that explores the four-county area (Wake, Harnett, Lee, and Chatham) around Raven Rock State Park. Proceeds from the event benefit the UNC Kidney Center for direct patient services.

* Address: 2112 County Park Drive, New Hill, NC 27562 - Harris Lake County Park in southwest Wake County, near the Shearon Harris nuclear plant

* Ham Coordinator: John Snellen (ai4rt)

* Website: [Raven Rock](#)

2016 TRIANGLE TOURdeCURE

May 14-15, 2016 - Saturday &/or Sunday - Cary to Aberdeen, NC

We're celebrating the 25th Anniversary of the Tour de Cure and we want you to be a part of this incredible day. Since 1991, Tour de Cure riders have raised over \$250,000,000 to help advance our mission and move us closer towards the ultimate goal to Stop Diabetes! The Triangle Tour de Cure gives you a 1 or 2 day ride option down Old US 1 through horse country.

This is a large cycling event (800+ riders) and we need many ham volunteers for SAGs, rest stop monitors and other event related duties. Volunteers may choose either Sat., Sun., or both days. The cyclists ride from Cary to Aberdeen on Sat., spend the night and return to Cary on Sun.

* Ham Coordinator: Bill Cole (kg4cxy)

* Start/Finish: Trinity Partners Campus, 100 Regency Forest Dr., Cary, NC 27518

* Website: [Tour de Cure](#)

To volunteer for a Public Service event please sign up at this location <http://www.rars.org/public-service.php>

2016 MS ICE CREAM RIDE

June 18, 2016 - Saturday - Morrisville, NC

2016 FIRECRACKER 50/100

July 4, 2016 - Monday - Cary, NC

2016 VELO 4 YELLOW

July 16, 2016 - Saturday - Raleigh, NC

2016 CUPnCONE TOUR

July 23, 2016 - Saturday - Cary, NC

2016 NC TARWHEEL BIKEFEST

August 6, 2016 - Saturday - Hillsborough, NC

2016 BABYMOON PASTA RIDE

August 20, 2016 - Saturday - Raleigh, NC

2016 MS BIKE RIDE

September 10 & 11, 2016 - Saturday & Sunday - New Bern, NC

2016 CFF CYCLE FOR LIFE

September 24, 2016 - Saturday - Raleigh, NC

2016 LE TOUR DE FEMME

October 8, 2016 - Saturday - Apex, NC

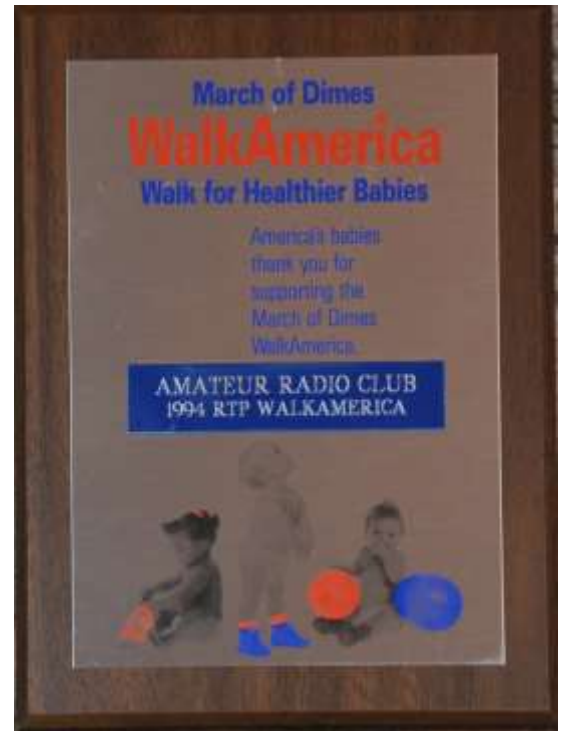
2016 NCBC FALL RALLY

October 16, 2016 - Sunday - Holly Springs, NC

We are awaiting confirmation on the following events:

Makin' Room for Turkey, Tour d'Orange, Five-O Ride - When confirmed, they will be posted as above.

The most versatile pieces of equipment for working as a ham volunteer during public service events are as follows:



RARS Walk America 1994

PRIMARY EQUIPMENT

- * Dual band (144/440) 25 watt (min) mobile transceiver
- * A 1/2-5/8 wave well grounded dual band mobile antenna

EXTRAS THAT ARE HELPFUL

- * Dual Band (144/440) hand held transceiver
- * Extra set of charged batteries
- * Ear phones & speaker mic or boom mic/headphone set
- * Higher gain antenna than the supplied rubber duck. For example Comet BN-24 or SMA-24 or Diamond RHF40 or SRH77CA. There are also many other hi-gain HT antennas available.

Remember to keep those batteries charged and earplugs handy and check back to this site frequently for upcoming events. Hope to see you during one of the events.

73,
John - AI4RT

The 44th
annual RARSfest
and ARRL NC
Section Convention
Saturday April 2nd, 2016
NC State Fairgrounds
<http://www.rars.org/rarsfest/>



RARS Classifieds

Copied from www.rars.org/classifieds.php

The items below were listed within the last 30 days on the RARS website.

Heathkit IM-25 meter and a 10 inch speaker

Posted February 24th, 2016 by: N4TL

Contact: n4tl2@yahoo.com

For sale Vintage Heathkit Solid State multi-meter, Volts, Ohms and Milliamps Model IM-25. Good condition and working. No probes. \$25.

For Sale 10 inch speaker in a 13 inch black box. \$10.

Pictures are here.

<https://www.flickr.com/photos/97551557@N08/albums/72157664319803029>

Contact me at n4tl2@yahoo.com

73 Tom, N4TL

For Sale C.Crane Twin Coil Ferrite AM Antenna

Posted February 24th, 2016 by: N4TL

Contact: n4tl2@yahoo.com

For Sale C.Crane Twin Coil Ferrite AM Antenna. For information on this antenna go to this website. The one I have has a six foot cable and not the 25 foot one. \$30 plus shipping.

<http://www.ccrane.com/Twin-Coil-Ferrite-Antenna-25-Ft-Install-Kit>

Contact me at n4tl2@yahoo.com

73 Tom, N4TL

Posted February 24th, 2016 by: N4TL

Contact: n4tl2@yahoo.com

For sale Heathkit HR-10 receiver, recapped and it is working. The top of the chassis was rusty. I sanded it and painted it silver. See the pictures for the condition. I had it on yesterday and there is an intermittent problem where the sound out is low then by moving the RF gain the volume will come up and then go back down. \$40 plus shipping, as is.

For sale working Zenith Royal 1000. See the pictures at for the condition of the radio. It works on all bands and the antenna is not bent. The handle has been repaired. Runs on eight D batteries. There is a place for a 9th one. That one is for the dial light. \$25 plus shipping.

RARS Classifieds continued

Free about 150 feet of heavy duty four conductor DSL – telephone cable. It was used to run a temporary connection from my house to the AT&T box on the other side of our street.

Pictures of the radios are at this location

<https://www.flickr.com/photos/97551557@N08/albums/72157664319803029>

They are in the radios for sale album

If interested contact me at n4tl2@yahoo.com

Misc Radio Items

Posted February 10th, 2016 by: K4HF

Contact: k4hf@arrl.net

Heath HW-16 50W 80, 40 & 15 Meters, Crystal Controlled Transceiver working condition, w/manual - \$40.

For Field Day, A Quest 12' x 12' Screen Room, as new - \$60.

Coleman 1800W portable generator, little use - \$130.

Contact me by E Mail or (919)872-6555, Thanks, Chuck

Need vhf/uhf antennas

Posted February 3rd, 2016 by: KE4VNC

Contact: ke4vnc@gmail.com

If anybody has some unneeded omnis (comet gp3 or similar) or short yagis for 6m-70cm I'd be interested, thanks!

Billy

RARS Classifieds continued

For sale DX Engineering speech processor for a Collins KWM-2A

Posted February 2nd, 2016 by: N4TL

Contact: n4tl2@yahoo.com

For sale DX Engineering speech processor for a Collins KWM-2A. Model number LC-1-KWM. Included is a copy of the two page manual.

\$175.00. Contact me by email or call 919-870-9342.



Click on the picture to go to the AWA website